BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :9**

MEASUREMENT SHEET

Item No : 9

Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges)
Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. (P.No.18, I.No.4.48 of PW, P&IW,TD SR 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
Raft										
ch 20		1	6.00				0.70	0.15	0.63	
ch 47		1	5.80				0.70	0.15	0.61	
ch 83		1	6.00				0.70	0.15	0.63	
ch 108		1	6.00				0.70	0.15	0.63	
ch 130		1	6.50				0.70	0.15	0.68	
ch 185		1	6.00				0.70	0.15	0.63	
ch 206		1	6.50				0.70	0.15	0.68	

Contractor | Consultant | Assistant Engineer | Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
ch 240		1	5.50				0.70	0.15	0.58	
ch 270		1	5.50				0.70	0.15	0.58	
ch 283		1	5.50				0.70	0.15	0.58	
ch 312		1	5.80				0.70	0.15	0.61	
ch 337		1	5.80				0.70	0.15	0.61	
ch 375		1	6.00				0.70	0.15	0.63	
ch 417		1	6.00				0.70	0.15	0.63	
ch 488		1	6.00				0.70	0.15	0.63	
ch 519		1	5.30				0.70	0.15	0.56	
ch 540		1	6.00				0.70	0.15	0.63	
ch 558		1	6.00				0.70	0.15	0.63	
ch 580		1	5.50				0.70	0.15	0.58	
ch 603		1	5.50				0.70	0.15	0.58	
ch 651		1	5.80				0.70	0.15	0.61	
ch 703		1	5.80				0.70	0.15	0.61	
ch 750		1	5.80				0.70	0.15	0.61	
ch 795		1	6.00				0.70	0.15	0.63	
ch 822		1	5.80				0.70	0.15	0.61	
ch 850		1	5.80				0.70	0.15	0.61	
ch 875		1	5.50				0.70	0.15	0.58	
ch 903		1	6.00				0.70	0.15	0.63	
ch 940		1	6.00				0.70	0.15	0.63	
ch 975		1	6.00				0.70	0.15	0.63	
ch 1010		1	6.00				0.70	0.15	0.63	
ch 1030		1	6.00				0.70	0.15	0.63	
deduct previous qty										
		-3	4.5				0.70	0.15	-1.42	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B			(m)	D (m)	Qty in Cum	Remarks
		-3	5.5				0.70	0.15	-1.73	
		-14	6				0.70	0.15	-8.82	
walls										
ch 20		2	6.00				0.15	0.20	0.36	
ch 47		2	5.80				0.15	0.20	0.35	
ch 83		2	6.00				0.15	0.20	0.36	
ch 108		2	6.00				0.15	0.20	0.36	
ch 130		2	6.50				0.15	0.20	0.39	
ch 185		2	6.00				0.15	0.20	0.36	
ch 206		2	6.50				0.15	0.20	0.39	
ch 240		2	5.50				0.15	0.20	0.33	
ch 270		2	5.50				0.15	0.20	0.33	
ch 283		2	5.50				0.15	0.20	0.33	
ch 312		2	5.80				0.15	0.20	0.35	
ch 337		2	5.80				0.15	0.20	0.35	
ch 375		2	6.00				0.15	0.20	0.36	
ch 417		2	6.00				0.15	0.20	0.36	
ch 488		2	6.00				0.15	0.20	0.36	
ch 519		2	5.30				0.15	0.20	0.32	
ch 540		2	6.00				0.15	0.20	0.36	
ch 558		2	6.00				0.15	0.20	0.36	
ch 580		2	5.50				0.15	0.20	0.33	
ch 603		2	5.50				0.15	0.20	0.33	
ch 651		2	5.80				0.15	0.20	0.35	
ch 703		2	5.80				0.15	0.20	0.35	
ch 750		2	5.80				0.15	0.20	0.35	
ch 795		2	6.00				0.15	0.20	0.36	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)	D (m)	Qty in Cum	Remarks
ch 822		2	5.80	0.15	0.20	0.35	
ch 850		2	5.80	0.15	0.20	0.35	
ch 875		2	5.50	0.15	0.20	0.33	
ch 903		2	6.00	0.15	0.20	0.36	
ch 940		2	6.00	0.15	0.20	0.36	
ch 975		2	6.00	0.15	0.20	0.36	
ch 1010		2	6.00	0.15	0.20	0.36	
ch 1030		2	6.00	0.15	0.20	0.36	
deduct previous qty							
		-6	4.5	0.15	0.20	-0.81	
		-6	5.5	0.15	0.20	-0.99	
		-28	6	0.15	0.20	-5.04	
For Culverts							
Raft							
15th cross road		1	12.00	1.40	0.25	3.00	4.20
BBmp office road		1	10.80	1.40	0.25	2.70	3.78
Wall							
15th cross road		2	12.00	0.25	1.55	37.20	9.30
BBmp office road		2	10.80	0.25	1.55	33.48	8.37
						88.54	37.81

Contractor

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :10**

MEASUREMENT SHEET

Item No : 10

KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
				B1	B2	B3	(B1+B2+B3)/3				
1	2	3	4	5	6	7	8	9		10	11
DOM :05/08/2016											
for shoulder drain											
Raft											
shape/description		nos	length of drain	length of bar	constatnt				Total weight in KG		
ch 20		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 47		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 83		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 108		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 130		1	6.50								
u shape bars 10#@ 200c/c		33		0.93	0.617					18.94	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 185		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 206		1	6.50								
u shape bars 10#@ 200c/c		33		0.93	0.617					18.94	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 240		1	5.50								
u shape bars 10#@ 200c/c		28		0.93	0.617					16.07	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 270		1	5.50								
u shape bars 10#@ 200c/c		28		0.93	0.617					16.07	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 283		1	5.50								
u shape bars 10#@ 200c/c		28		0.93	0.617					16.07	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 312		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
ch 337		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 375		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 417		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 488		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 519		1	5.30								
u shape bars 10#@ 200c/c		27		0.93	0.617					15.49	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 540		1	6.00								

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 558		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 580		1	5.50								
u shape bars 10#@ 200c/c		28		0.93	0.617					16.07	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 603		1	5.50								
u shape bars 10#@ 200c/c		28		0.93	0.617					16.07	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 651		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 703		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 750		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 795		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 822		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 850		1	5.80								
u shape bars 10#@ 200c/c		29		0.93	0.617					16.64	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 875		1	5.50								
u shape bars 10#@ 200c/c		28		0.93	0.617					16.07	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
ch 903		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 940		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 975		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 1010		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
ch 1030		1	6.00								
u shape bars 10#@ 200c/c		30		0.93	0.617					17.21	
distribution bars 8#@ 200c/c		5		5.9	0.395					11.65	
deduct previous qty											

Director Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)		Qty in Cum	Remarks
										-408.80	
For Culverts											
Raft											
15th cross road		1	12.00	10.6	3.200	0.15	70.67	226.13	0.89	201.26	
		1	12.00	10.6	2.800	0.15	70.67	197.87	0.89	176.10	
Distribution		1	10.00	3.2	10.100	0.20	16.00	161.60	0.62	100.19	
		1	10.00	2.8	10.100	0.20	14.00	141.40	0.62	87.67	
BBmp office road		1	10.80	9.40	3.200	0.15	62.67	200.53	0.89	178.47	
Wall		1	10.80	9.40	2.800	0.15	62.67	175.47	0.89	156.17	
		1	9.00	3.2	9.200	0.20	16.00	147.20	0.62	91.26	
BBmp office road		1	9.00	2.8	9.200	0.20	14.00	128.80	0.62	79.86	
										1.58	
						qtty paid in 1st bill				**18.76**	
								total qtty		**20.34**	
								est Qtty		**28.89**	
							reserve qtty			**8.55**	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :11**

MEASUREMENT SHEET

Item No : 11 — KSRB 4-1.6· Providing and laying in position plain cement concrete of mix 1:2·4 with cement @ 240kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0 459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of a'l materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4.1, 4.2.

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
SSM	Cum									
For Platform										
Ch 30		1	1.8				1.1	0.075	0.15	
Ch38		1	1.8				1.1	0.075	0.15	
Ch 56		1	1.8				1.1	0.075	0.15	
Ch 67		1	1.8				1.1	0.075	0.15	
Ch 80		1	1.8				1.1	0.075	0.15	
Ch 95		1	1.8				1.1	0.075	0.15	
Ch 104		1	1.8				1.1	0.075	0.15	
Ch 120		1	1.8				1.1	0.075	0.15	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
Ch 134		1	1.8				1.1	0.075	0.15	
Ch 151		1	1.8				1.1	0.075	0.15	
Ch 170		1	1.8				1.1	0.075	0.15	
Ch 183		1	1.8				1.1	0.075	0.15	
Ch 197		1	1.8				1.1	0.075	0.15	
Ch 223		1	1.8				1.1	0.075	0.15	
Ch 240		2	1.8				1.1	0.075	0.3	
Ch 263		1	1.8				1.1	0.075	0.15	
Ch 264		1	1.8				1.1	0.075	0.15	
Ch 270		1	1.8				1.1	0.075	0.15	
Ch 311		1	1.8				1.1	0.075	0.15	
Ch 343		1	1.8				1.1	0.075	0.15	
Ch 372		1	1.8				1.1	0.075	0.15	
Ch 440		1	1.8				1.1	0.075	0.15	
Ch 480		1	1.8				1.1	0.075	0.15	
Ch 510		1	1.8				1.1	0.075	0.15	
Ch 526		1	1.8				1.1	0 075	0.15	
Ch 540		1	1.8				1.1	0.075	0.15	
Ch 543		1	1.8				1.1	0.075	0.15	
Ch 574		1	1.8				1.1	0.075	0.15	
Ch 597		1	1.8				1.1	0.075	0.15	
Ch 627		1	1.8				1.1	0.075	0.15	
ch 635		1	1.8				1.1	0.075	0.15	
ch 660		1	1.8				1.1	0.075	0.15	
ch 694		1	1.8				1.1	0.075	0.15	
ch 715		1	1.8				1.1	0.075	0.15	
ch 745		1	1.8				1.1	0.075	0.15	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
ch 775		1	1.8				1.1	0.075	0.15	
ch 780		1	1.8				1.1	0.075	0.15	
ch 840		1	1.8				1.1	0.075	0.15	
ch 860		1	1.8				1.1	0.075	0.15	
ch 875		1	1.8				1.1	0.075	0.15	
ch 900		1	1.8				1.1	0.075	0.15	
ch 965		1	1.8				1.1	0.075	0.15	
ch 985		1	1.8				1.1	0.075	0.15	
ch 1010		1	1.8				1.1	0.075	0.15	
								Total qtty	6.75	

Total qty. 6.68

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK:Widening of Major Sandeeep Unnikrishanan Road From Doddaballapura Road to Yelahanka Bus stand Road Towards BWSSB Water Tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :12**

MEASUREMENT SHEET

Item No :12 — Refixing Stone Slabs of Drains and pointing in C.M (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in cum	Remarks
Refixing Stone Slabs				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
Drain Slab		1	14				1.2		16.80	
0-15		1	15				0.30		4.50	
15-30		1	15							BWSSB office
30-45		1	15				0.30		4.50	
45-60		1	15				0.30		4.50	
60-75		1	15				0.30		4.50	
75-90		1	15				0.30		4.50	
90-105		1	15				0.30		4.50	
105-120		1	15				0.30		4.50	
120-135		1	15				0.30		4.50	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in cum	Remarks
135-142		1	7				0.30		2.10	
142-152		1	10							C/S Road
152-167		1	15				0.30		4.50	
167-182		1	15				0.30		4.50	
182-197		1	15				0.30		4.50	
197-212		1	15				0.30		4.50	
212-227		1	15				0.30		4.50	
227-247		1	20				0.30		6.00	
247-257		1	10							C/S Road
257-272		1	15				0.30		4.50	
272-287		1	15				0.30		4.50	
287-302		1	15				0.30		4.50	
302-317		1	15				0.30		4.50	
317-332		1	15				0.30		4.50	
332-347		1	15				0.30		4.50	
347-362		1	15				0.30		4.50	
362-377		1	15				0.30		4.50	
377-392		1	15				0.30		4.50	
392-406		1	14				0.30		4.20	
406-413		1	7							C/S Road
413-437		1	24				0.30		7.20	
437-452		1	15				0.30		4.50	
452-467		1	15				0.30		4.50	
467-482		1	15				0.30		4.50	
482-497		1	15				0.30		4.50	
497-515		1	18				0.30		5.40	Andhra bank ATM

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in cum	Remarks
515-527		1	12				0.30		3.60	Sree sai yalahanka orthopedic centere
527-542		1	15				0.30		4.50	
542-557		1	15				0.30		4.50	
557-572		1	15				0.30		4.50	
572-587		1	15				0.30		4.50	
587-609		1	22				0.30		6.60	
609-620		1	0				0.30		0.00	C/S Road
620-632		1	12				0.30		3.60	
632-647		1	15				0.30		4.50	
647-662		1	15				0.30		4.50	
662-677		1	15				0.30		4.50	
677-692		1	15				0.30		4.50	
692-707		1	15				0.30		4.50	
707-722		1	15				0.30		4.50	
722-737		1	15				0.30		4.50	
737-752		1	15				0.30		4.50	
752-767		1	15				0.30		4.50	
767-782		1	15				0.30		4.50	
782-797		1	15				0.30		4.50	
797-812		1	15				0.30		4.50	
812-827		1	15				0.30		4.50	
827-847		1	20				0.30		6.00	
847-852		1	5							C/S Road
852-872		1	20				0.30		6.00	

Instructor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in cum	Remarks
872-887		1	15				0.30		4.50	
887-902		1	15				0.30		4.50	
902-917		1	15				0.30		4.50	
917-932		1	15				0.30		4.50	
932-947		1	15				0.30		4.50	
947-962		1	15				0.30		4.50	
962-977		1	15				0.30		4.50	
977-992		1	15				0.30		4.50	
992-1007		1	15				0.30		4.50	
1007-1022		1	15				0.30		4.50	
1022-1032		1	10				0.30		3.00	
									309.00	
								Total Qtty	**309.00**	Sqm

Contractor

TEJAS CONSULTANTS Consultant

Assistant Engineer

Assistant Executive Engineer